

**Note to readers with disabilities:** *EHP* strives to ensure that all journal content is accessible to all readers. However, some figures and Supplemental Material published in *EHP* articles may not conform to [508 standards](#) due to the complexity of the information being presented. If you need assistance accessing journal content, please contact [ehp508@niehs.nih.gov](mailto:ehp508@niehs.nih.gov). Our staff will work with you to assess and meet your accessibility needs within 3 working days.

## **Supplemental Material**

### **Neurodevelopmental Deceleration by Urban Fine Particles from Different Emission Sources: A Longitudinal Observational Study**

Xavier Basagaña, Mikel Esnaola, Ioar Rivas, Fulvio Amato, Mar Alvarez-Pedrerol, Joan Forns, Mònica López-Vicente, Jesús Pujol, Mark Nieuwenhuijsen, Xavier Querol, and Jordi Sunyer

#### **Table of Contents**

**Table S1.** Correlation between outdoor source-specific mass concentrations. The main diagonal (in bold font) includes the indoor-outdoor correlation for a fixed source.

**Table S2.** Correlation between indoor source-specific mass concentrations. The main diagonal (in bold font) includes the indoor-outdoor correlation for a fixed source.

**Table S3.** Change (95% confidence interval) in cognitive growth per interquartile range increase in school source-specific PM<sub>2.5</sub> mass concentrations, with and without adjustment.

**Table S4.** Change (95% confidence interval) in cognitive growth per interquartile range increase in school source-specific PM<sub>2.5</sub> mass concentrations, without adjustment for total PM<sub>2.5</sub> levels (original model) and with adjustment for total PM<sub>2.5</sub> levels

**Figure S1.** Change (95% confidence interval) in cognitive growth per interquartile range increase in concentrations of elements defining the several sources (N= 2618). Models were adjusted for age, sex, maternal education, residential neighbourhood socio-economic status, residential PM<sub>2.5</sub> levels from traffic and school pair; school and subject included as nested random effects. Working memory measured with 2-back Numbers,  $d' \times 100$ . Superior working memory measured with 3-back Numbers,  $d' \times 100$ . Inattentiveness measures with HRT-SE, ms. Black diamonds (◆): indoor concentrations; Empty circles (○): outdoor concentrations